



Mission Success Starts With Safety

Critical Facilities Maintenance Assessment

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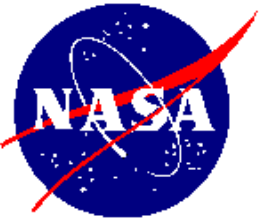
***Protecting the Public, Astronauts and Pilots, the NASA Workforce, and
High-Value Equipment and Property***



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Critical Facilities Maintenance Assessment (CFMA)

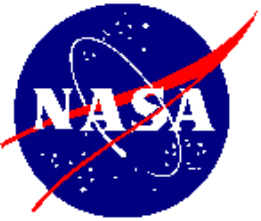
- **Critical Facilities Maintenance Assessment**
 - Initiated after the HESSI mishap
 - All Centers and major facilities reviewed
 - Findings reported to Chief Engineer
 - Chief Engineer has started process to follow-up and implement findings
- **Major findings:**
 - Lack of consistent inventories of Critical Facilities
 - Applicability of NASA Policy to Critical Facilities unclear
 - Intrusive maintenance being performed
 - Dependence on Pre-Test Operational Checks and Test Readiness Reviews as primary means for assuring equipment functionality and reliability
 - Spares considerations



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Critical Facilities Maintenance Assessment (CFMA)

- **Major findings (continued):**
 - **Inconsistent use of Computerized Maintenance Management Systems**
 - **Maintenance metrics lacking**
 - **Lack of awareness of RCM concepts and application**
 - **Incomplete failure assessments**



Critical Facilities Maintenance Assessment (CFMA)

- **20-22 Feb 2001 Engineering Management Council Meeting**
 - Brian Keegan has accepted role as RCM champion for the Agency
 - Code JX is updating NPD 8831.1 to include RCM
 - Code AE and JX to initiate training activities
- **Center Actions**
 - Identify Test Facility RCM Champion
 - Define RCM gaps
 - Complete critical facility inventory
 - Perform failure assessments
 - Define and document maintenance procedures
 - Identify PT&I needs
 - Implement Computerized Maintenance Management System
 - Prepare schedule/costs for implementation



Critical Facilities Maintenance Assessment (CFMA)

- **Center Points of Contact**
 - **ARC** **Steve Frankel**
 - **DFRC** **Steve Hodsdon**
 - **GSFC** **Mitch Brown**
 - **GRC** **Randall Furnace**
 - **JPL** **Webb Marner**
 - **JSC** **Lee Graham**
 - **KSC** **Randy Tilley**
 - **LaRC** **Bobby Fixx**
 - **MSFC** **Sheri Kittredge**
 - **SSC** **Bob Heitzmann**